DERWENT-ACC-NO: 2002-047999

DERWENT-WEEK: 200330

TITLE: **Slide bush of scroll compressor**

INVENTOR: KIM, J H; SHIN, D G

PATENT-ASSIGNEE: LG ELECTRONICS INC[GLDS]

PRIORITY-DATA: 1999KR-0060939 (December 23, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
KR 360238 B	November 9, 2002	N/A	000	F04C 018/02
KR 2001057496 A	July 4, 2001	N/A	001	F04C 018/02

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
KR 360238B	N/A	1999KR-0060939	December 23, 1999
KR 360238B	Previous Publ.	KR2001057496	N/A
KR2001057496A	N/A	1999KR-0060939	December 23, 1999

INT-CL (IPC): F04C018/02

ABSTRACTED-PUB-NO: KR2001057496A

BASIC-ABSTRACT:

NOVELTY - A **slide bush of a scroll compressor** is provided to reduce friction between a drive pin and a **slide bush** effectively through improved lubrication by supplying oil to a sliding face between the drive pin and the **slide bush** smoothly.

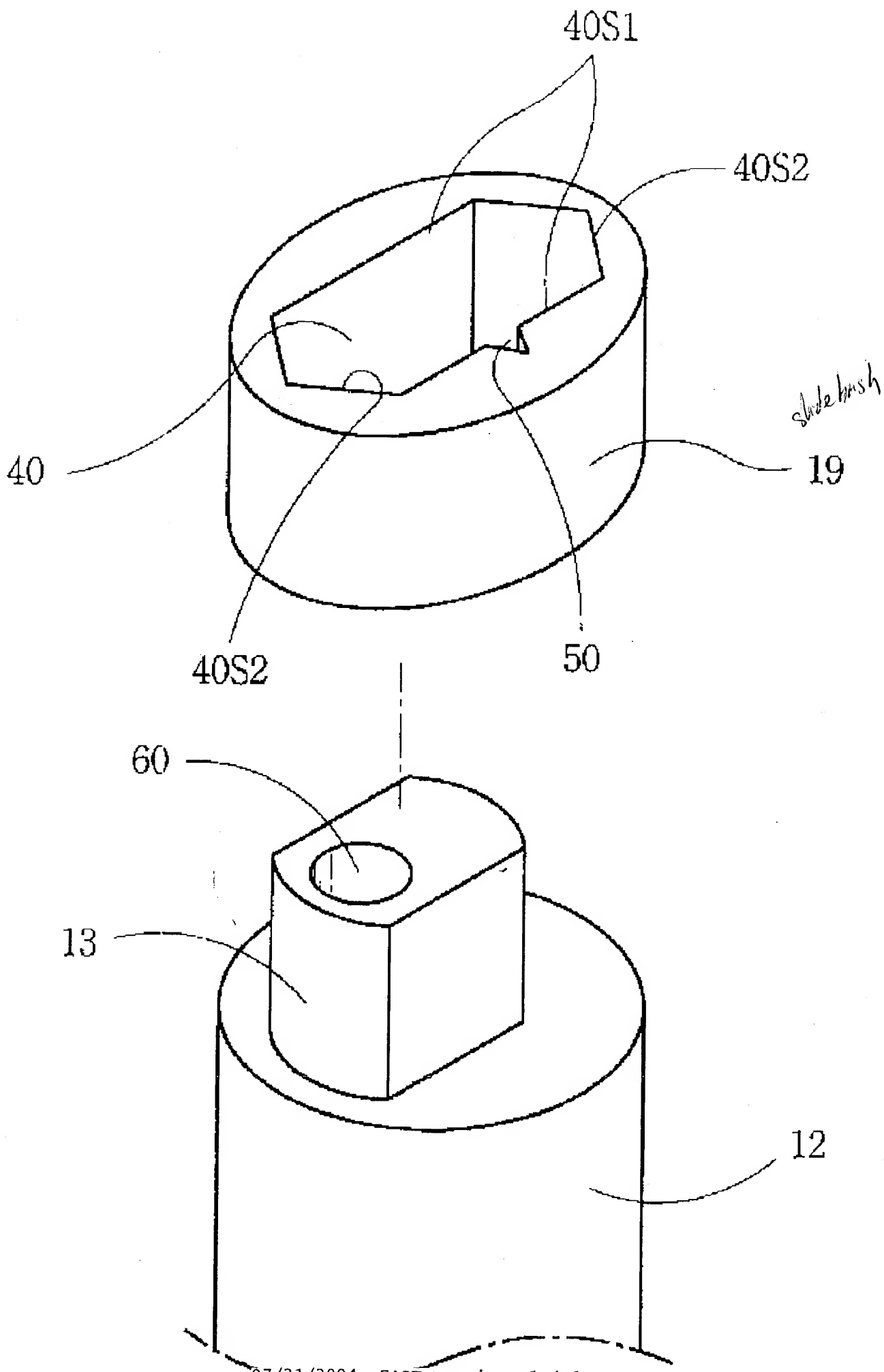
DETAILED DESCRIPTION - An oil feed groove(50) is formed in the center of a **slide bush** in a hermetic shell of a **scroll compressor**. The oil feed groove is formed in V or U shape on a sliding face between a drive pin(13) and a **slide bush**(19), a couple of opposed parallel faces(40S1) in a fitting hole(40) for inserting the drive pin into the upper end of a crankshaft(12). At least one and more faces of the parallel faces on both sectional areas(40S2) in the fitting hole are formed with an angle. When the **scroll compressor** is run, the crankshaft is rotated. The oil is pumped through an oil pickup hole(60) by an oil propeller and then pumped through the oil pickup hole at the upper end of the drive pin communicated with the crankshaft. The oil is supplied to the parallel faces in the fitting hole through the oil feed groove. Therefore,

friction between the drive pin and the **slide bush** is reduced.

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: **SLIDE BUSH SCROLL COMPRESSOR**

DERWENT-CLASS: Q56


40S1
40S2
40
19
slide brush
40S2
50
60
13
12